

LEANDRO KURANAGA

Backend & AI Engineer | .NET & Azure | Distributed Systems | Agentic Engineering

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PROFESSIONAL SUMMARY

Backend engineer with 8+ years building scalable .NET systems on Azure, applying CQRS, DDD and event-driven patterns over Azure Service Bus and Apache Kafka.

I build the agent harness itself — MCP servers, custom agents, evaluation suites and guardrails — rather than only consuming AI tooling. The AI work runs on top of the .NET foundation, inside enterprise platforms, not as a side experiment.

Experienced in designing high-performance APIs and integrating enterprise platforms such as SAP, Salesforce and Pix payments. I work in international environments, using English daily with engineering teams in Germany and Canada.

PROFESSIONAL EXPERIENCE

Software Engineer | Andritz | Remote | May 2024 – Present

- Cut manual calibration time 40% with AI/ML industrial optimization systems
- Led migration to InfluxDB, improving time-series query performance 3x
- Built .NET and SQL Server backends with React front ends for teams in Germany and Canada, working in English daily
- Standardized the team's AI-assisted pipeline — custom agents, hooks, MCP servers, automated review and Playwright E2E
- Event-driven integrations with Apache Kafka; Python for automation and data scripting

Fullstack Engineer | Stefanini (Raízen) | Remote | Aug 2022 – May 2024

- Built CSOnline, an enterprise platform serving 13,000+ monthly active users
- Integrated SAP, Salesforce and Pix payments into automated business workflows
- Designed scalable DDD APIs on Azure with Redis caching and Service Bus messaging
- Extended the cloud footprint to AWS after the initial CSOnline delivery
- Delivered full journeys: authentication, catalog, purchase flows and reporting dashboards

Software Developer | Sonda | São Paulo, Brazil | Jan 2019 – Aug 2022

- Built conversational systems and process automation in .NET for Claro, Vivo, Embraer and Sodexo
- Intent handling, dialog flows and fallback logic — a direct precursor to today's agent work
- Created integrations for authentication, incident management and data processing pipelines
- Improved backend stability and maintainability across business-critical flows

AI & AGENTIC ENGINEERING

- Custom agent tooling: MCP servers, subagents, hooks and reusable skills on the Claude Agent SDK
- Evaluation & guardrails: regression prompt suites, deterministic assertions over structured responses, and automated review gates that block off-spec output before merge
- Semantic & indexed search: Azure AI Search with RAG patterns — chunking, embeddings, vector search
- AI security: least-privilege tool scoping and human-in-the-loop approval on agent workflows

TECHNICAL SKILLS

Core: .NET 8 / Core, C#, Azure, SQL Server, Event-Driven, DDD, CQRS, REST APIs, xUnit

AI: Claude Agent SDK, MCP Servers, Semantic Kernel, Azure AI Search, Azure AI Foundry, LLM Evaluation, Guardrails, RAG

Fluent: Python, React, TypeScript, Angular, Azure Service Bus, Apache Kafka, Redis, PostgreSQL, InfluxDB, Terraform, AWS, Docker, Playwright, Git / CI-CD

Exposed: Kubernetes, MongoDB, Elasticsearch, KurrentDB, Blip, SAP / Salesforce

EDUCATION

Postgraduate – Quantum Computing PUC Minas | from Sep 2026

Specialization – Software Architecture FIAP, São Paulo | 2026

Postgraduate – Software Engineering PUC, São Paulo | 2025

B.Sc. – Computer Science UNIP, Campinas | 2020